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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/882,270	06/14/2001	Douglas G. Smith	265/061	8634

7590 06/16/2004

Mark C Van Ness  
Seventh Floor  
12400 Wilshire Blvd  
Los Angeles, CA 90025

EXAMINER

HSU, ALPUS

ART UNIT	PAPER NUMBER
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2665

DATE MAILED: 06/16/2004

7

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

**Application No.**

09/882,270

**Applicant(s)**

SMITH ET AL.

**Examiner**

Alpus H. Hsu

**Art Unit**

2665

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 17 September 2001.
- 2a) ☐ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 25-45 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 25-45 is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_\_ is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>4</u> . | 6) <input type="checkbox"/> Other: _____  |

Art Unit: 2665

1. This application is in condition for allowance except for the following formal matters:

a. The abstract of the disclosure is objected to because it does not correspond to the invention as claimed in the instant application. Correction is required. See MPEP § 608.01(b).

b. In the specification, page 18, line 20, page 20, line 20, page 21, lines 2 and 6-7, page 25, lines 17-18, the applicant is requested to update the status from time to time for the listed related co-pending applications, which are incorporated by reference in the instant application.

c. To better characterize the claimed invention, the proposed changes to claims 25 and 32 are suggested by the examiner:

In claim 25, line 8, "a carrier generator signal" should read as -- a carrier generator signal **to produce a modulated spread spectrum signal** --;

In claim 32, line 4, "the despreaded spectrum data stream to" should read as -- the despreaded spectrum data stream to **a data interface and thereafter to** --.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

2. The following is an examiner's statement of reasons for allowance:

All prior art of record fail to teach or suggest a spread spectrum transmitter comprising: an interface for accepting an input data stream from a DECT MAC layer conforming to DECT layer packet structure, a chip sequence transmitter generator for generating a chip sequence, a

Art Unit: 2665

first modulator for modulating the input data stream with the chip sequence to produce a spread spectrum signal, a second modulator for modulating the spread spectrum signal with a carrier generator signal to produce a modulated spread spectrum signal, and an antenna for transmitting the modulated spread spectrum signal over a channel. All prior art of record also fail to teach or suggest a spread spectrum receiver comprising: an antenna for receiving a modulated spread spectrum data stream from a channel, and a spread spectrum correlator for despreading the received spread spectrum data stream and presenting the despread spectrum data stream to a data interface and thereafter to a DECT MAC layer, wherein the data stream conforming to DECT physical layer packet structure.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Cowart and Schilling are cited to show the feature of transceiver for CDMA data communication utilizing chip sequence generator, modulator and correlator similar to the claimed invention.

Ruther et al. and Sipila are cited to show the feature of data transmission in mobile communication system utilizing a data transfer protocol between DECT system and GSM system similar to the claimed invention.

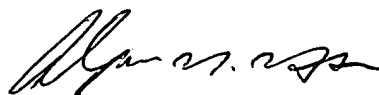
Art Unit: 2665

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alpus H. Hsu whose telephone number is (703)305-4377. The examiner can normally be reached on M-F (5:30-3:00) First Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Huy D. Vu can be reached on (703)308-6602. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

AHH



Alpus H. Hsu  
Primary Examiner  
Art Unit 2665